

IMPORTANT QUESTIONS

CH.1 INTRODUCTION TO ENVIRONMENT

1. List scope & principles of environmental sciences & explain any one in detail.
2. Explain the role of various engineering disciplines in environmental protection.
3. Why environmental education is necessary in engineering curriculum?
4. Discuss the impact of technology on environment.
5. Define : Biotic and Abiotic Component.

CH.2 ENVIRONMENTAL POLLUTION

1. Explain the effects of turbidity on drinking water quality.
2. Give the classification of water pollutants.
3. Give the classification of Air Pollutants.
4. Explain the effects of any two air pollutants on human health & properties.
5. What is E – waste? Enlist sources of E – waste.
6. Difference between Sound & Noise. Discuss sources & effects of Noise pollution
7. Enlist & Explain the factors affecting municipal solid waste generation.
8. Describe briefly various types of pollutions.
9. What are the sources of water pollution? Discuss the effects of water pollution.
10. State the Indian Ambient air quality standards.
11. Enlist common air pollutants. Discuss the sources and effects of any three air pollutants.
12. What is noise pollution? Describe the sources and effects of noise pollution.
13. Justify the statement “biomedical wastes are to be segregated before disposal”.
14. What is e-waste? Explain the methods to manage e-waste.
15. Describe different methods of solid waste collection and explain the hazards associated with improper handling of this waste.
16. Suggest some ways to convert wastes to resources.

CH. 3 GLOBAL ENVIRONMENTAL ISSUES

1. What is global warming? Why is it considered to be one of the major global environmental issues?
2. Explain the importance of sustainable development.
3. What are the causes and effects of acid rain?
4. Enlist various green house gases and discuss the effects of any one on environment.
5. What do you understand by Clean Development Mechanism (CDM)? Discuss its objectives, advantages and limitations.
6. Discuss the advantages of calculating carbon footprints.
7. Discuss the international initiatives for mitigating global environmental issues.
8. Write a short note on Acid rain.
9. Define sustainable development.
10. Enlist the mitigation measures for climate change.
11. What do you understand by carbon footprint? Distinguish between primary & Secondary carbon footprint.
12. Explain Clean Development Mechanism (CDM)
13. Explain the effects of Ozone depletion on Human health & plants.

CH. 4 BASIC CONCEPT OF GREEN BUILDING AND SMART CITIES

1. Explain green building technology and state its objectives.
2. Enlist different green building rating systems and explain any one in detail.
3. Explain the concepts of smart cities with suitable example.
4. Discuss the benefits of green buildings.
5. Describe briefly about smart cities development in India
6. Explain the benefits of Green building.

7. Name the organizations involved in Green building rating system.
8. Write a brief note on concept of Green Building.
9. Write a brief note on concept of Smart City.

CH.5 CONCEPT OF 4R's

1. What do you understand by 4R's.
2. Explain the principles of 4R's and describe how these principles are applicable to control environmental pollution.
3. Explain examples of plastic recycle & reuse.
4. Explain need of 4R concept for waste minimization.